

IN THE CLAIMS:

1. (Currently Amended) A mount for an electrical device including a body and a plurality of electric contacts, the body having a base and at least one lateral face extending from the base, and the plurality of electric contacts projecting a first distance from the base, the mount comprising:

a housing having a generally planar surface;

an electric terminal contiguous to the generally planar surface and extending over a portion of the generally planar surface, the electric terminal including a solder portion being adapted to be soldered to at least one of the plurality of electric contacts; and

a platform contiguous to the electrical terminal and adapted for spacing at a second distance the base from the solder portion of the electric terminal, the second distance being substantially substantially equal to the first distance.

2. (Original) The mount according to claim 1, wherein the electric terminal extends along an axis and comprises:

a first portion having a first cross-section transverse with respect to the axis; and

a second portion having a second cross-section transverse with respect to the axis, the second cross-section being smaller than the first cross-section.

3. (Original) The mount according to claim 2, wherein the platform is adapted to be contiguously sandwiched between the base and the second portion.

4. (Original) The mount according to claim 2, wherein the first and second cross-sections are generally rectangular, the first portion comprises a first width transverse with respect to the axis and a first height transverse with respect to the axis and perpendicular to the first width, and the second portion comprises a second width transverse with respect to the axis and a second height transverse with respect to the axis and perpendicular to the second

width, and the second height is less than the first height.

5. (Previously Amended) A mount for an electrical device including a body and a plurality of electric contacts, the body having a base and at least one lateral face extending from the base, and the plurality of electric contacts projecting a first distance from the base, the mount comprising:

an electric terminal being adapted to be soldered to at least one of the plurality of electric contacts, the electric terminal extending along an axis and including:

a first portion having a first generally rectangular cross-section transverse with respect to the axis, the first portion including a first width transverse with respect to the axis and a first height transverse with respect to the axis and perpendicular to the first width; and

a second portion having a second generally rectangular cross-section transverse with respect to the axis, the second cross-section being smaller than the first cross-section, the second portion including a second width transverse with respect to the axis and a second height transverse with respect to the axis and perpendicular to the second width, and the second height being less than the first height; and

a platform adapted for spacing at a second distance the base from the electric terminal, the second distance being substantially equal to the first distance, the platform including a platform height transverse with respect to the axis, the platform height being substantially equal to a difference between the first and second heights.

6. (Previously Amended) A mount for an electrical device including a body and a plurality of electric contacts, the body having a base and at least one lateral face extending from the base, and the plurality of electric contacts projecting a first distance from the base, the mount comprising:

an electric terminal being adapted to be soldered to at least one of the plurality of electric contacts, the electric terminal extending along an axis and including:

a first portion having a first generally rectangular cross-section transverse with respect to the axis, the first portion including a first width transverse with respect to the axis and a first height transverse with respect to the axis and perpendicular to the first width; and

a second portion having a second generally rectangular cross-section transverse with respect to the axis, the second cross-section being smaller than the first cross-section, the second portion including a second width transverse with respect to the axis and a second height transverse with respect to the axis and perpendicular to the second width, the second height being less than the first height, and the second width is less than the first width; and a platform adapted for spacing at a second distance the base from the electric terminal, the second distance being substantially equal to the first distance.

7. (Original) The mount according to claim 6, wherein the electric terminal further comprises:

a first transition portion coupling the first and second portions, the first transition portion comprises a height decreasing from the first height to the second height and a width decreasing from the first width to the second width.

8. (Original) The mount according to claim 6, wherein the electric terminal further comprises:

a third portion having a third cross-section transverse with respect to the axis, the third cross-section being substantially equal to the first cross section.

9. (Original) The mount according to claim 8, wherein the first and third cross-section areas are substantially congruent.

10. (Original) The mount according to claim 8, wherein the third cross-section is generally rectangular, and the third portion comprises a third width transverse with respect to the axis and a third height transverse with respect to the axis and perpendicular to the third width.

11. (Original) The mount according to claim 10, wherein the platform comprises:

a platform height transverse with respect to the axis, the platform height being substantially equal to a difference between the first and second heights and equal to a difference between the second and third heights.

12. (Original) The mount according to claim 10, wherein the electric terminal further comprises:

a first transition portion coupling the first and second portions; and
a second transition portion coupling the second and third portions.

13. (Original) The mount according to claim 12, wherein the first transition portion comprises a height decreasing from the first height to the second height and a width decreasing from the first width to the second width, and the second transition portion comprises a height decreasing from the third height to the second height and a width decreasing from the third width to the second width.

14. (Original) The mount according to claim 1, further comprising:

a housing supporting the terminal such that the terminal is contiguously sandwiched between the housing and the platform.

15. (Original) The mount according to claim 14, wherein the housing comprises:

a plurality of fingers projecting from the housing and adapted to contiguously engage the at least one lateral face.

16. (Original) The mount according to claim 15, wherein the plurality of fingers are distributed on opposite sides of the terminal.

17. (Original) The mount according to claim 14, wherein the housing comprises an electric insulator and the terminal comprises an electric conductor.

18. (Original) The mount according to claim 14, wherein the platform and the housing commonly comprise a homogenous molding.

19. (Original) An arrangement forming a mechanical and an electrical connection, the arrangement comprising:

an electric switch including:

a body having a base; and

a plurality of electric contacts projecting a distance from the base;
a plurality of electric terminals extending parallel to a first axis, each of
the plurality of electric terminals including:

a first portion having a first rectangular cross-section oriented
transversely with respect to the first axis, and the first rectangular cross
section having a first height measured parallel to a second axis
perpendicular to the first axis and having a first width measured parallel to
a third axis orthogonal to the first and second axes;

a second portion having a second rectangular cross-section
oriented transversely with respect to the first axis, the second rectangular cross
section having a second height measured parallel to the second axis and
having a second width measured parallel to the third axis, and the second
rectangular cross-section being substantially congruent to the first
rectangular cross-section; and

a third portion having a third rectangular cross-section oriented
transversely with respect to the first axis, the third rectangular
cross-section having a third height measured parallel to the second axis and
having a third width measured parallel to the third axis, the third height being less
than the first and second heights, and the third width being less than the first and
second widths, the third portion being soldered to at least one of the plurality of
electric contacts; and

a platform contiguously sandwiched between the third portion of
each of the plurality of terminals and the base of the electric switch, the platform
having a platform height measured parallel to the second axis from the third
portions to the base, the platform height being substantially equal to the distance
the plurality of electric contacts project from the base.

20. (Previously Canceled) An integrated pressure management apparatus, comprising:
a housing defining an interior chamber, the housing including first and second
ports communicating with the interior chamber;

a pressure operable device separating the chamber into a first portion and a second portion, the first portion communicating with the first port, the second portion communicating with the second port, the pressure operable device permitting fluid communication between the first and second ports in a first configuration and preventing fluid communication between the first and second ports in a second configuration;

a switch signaling displacement of the pressure operable device in response to negative pressure at a first pressure level in the first portion of the interior chamber, the switch including a body and a plurality of electric contacts, the body having a base, and the plurality of electric contacts projecting a first distance from the base;

an electric terminal being soldered to at least one of the plurality of electric contacts; and

a platform spacing at a second distance the base from the electric terminal, the second distance being substantially equal to the first distance.

21. (Previously Canceled) A method of preventing a migration of soldering materials from an electric terminal into the body of an electric device, the migration occurring via an electric contact projecting from the body of the electric device, the method comprising:

providing a surface of the electrical terminal with a depressed surface portion;

at least partially overlaying the depressed surface portion with a platform rising toward the surface of the electric terminal;

contiguously supporting the body of the electric device on the platform such that the electric contact projects toward the depressed surface portion; and

electrically connecting with the soldering materials the electric contact to the depressed surface portion.